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Sheet	1	of	1
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Complete if Known

Application Number	10/720,417
Filing Date	11/24/2003
First Named Inventor	Kun-Liang Guan
Art Unit	4655 1657
Examiner Name	Amanda Wood
Attorney Docket Number	UM-08469

U. S. PATENT DOCUMENTS

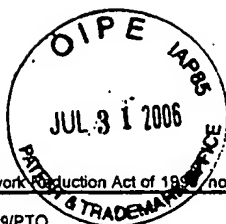
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PTO/SB/08B (08-03)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/720,417
		Filing Date	11/24/2003
		First Named Inventor	Kun-Liang Guan
		Art Unit	1855 1657
		Examiner Name	Amanda Wood
Sheet 1	of 5	Attorney Docket Number	UM-08469

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
APW	1	Tee et al., Proc. Natl. Acad. Sci. 99:13571-13576 (2002)	
APW	2	Onda et al., J. Clin. Invest. 104, 687-695 (1999)	
APW	3	Au et al., Am. J. Hum. Genet. 62, 286-294 (1998)	
APW	4	Kobayashi, T. et al., Proc. Natl Acad. Sci. USA 98, 8762-8767 (2001)	
APW	5	Gao and Pan, Genes Dev. 15, 1383-1392 (2001)	
APW	6	Ito et al., Cell 96, 529-539 (1999)	
APW	7	Potter et al., Cell 105, 357-368 (2001)	
APW	8	Tapon et al., Cell 105, 345-355 (2001)	
APW	9	Kozma et al., Bioessays 24, 65-71 (2002)	
APW	10	Stocker and Hafen, Curr. Opin. Genet. Dev. 10, 529-535 (2000)	

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Sheet 2 of 5	Application Number	10/720,417
	Filing Date	11/24/2003
	First Named Inventor	Kun-Liang Guan
	Art Unit	1055 1657
	Examiner Name	Amanda Wood
	Attorney Docket Number	UM-08469

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
APW	11	Shioi, T. et al., EMBO J. 19, 2537-2548 (2000)	
APW	12	Shioi, T. et al., Mol. Cell. Biol. 22, 2799-2809 (2002)	
APW	13	Weinkove and Leever, Curr. Opin. Genet. Dev. 10, 75-80 (2000)	
APW	14	DeChiara et al., Nature 345, 78-80 (1990)	
APW	15	Shima et al., EMBO J. 17, 6649-6659 (1998)	
APW	16	Neshat, et al., Proc. Natl Acad. Sci. USA 98, 10314-10319 (2001);	
APW	17	Schmelzle and Hall, Cell 103, 253-262 (2000)	
APW	18	Shah et al., Am. J. Physiol. Endocrinol. Metab. 279, E715-E729 (2000)	
APW	19	Sonenberg, and Gingras, Curr. Opin. Cell Biol. 10, 268-275 (1998)	
APW	20	Podsypanina, et al., Proc. Natl Acad. Sci. USA 98, 10320-10325 (2001);	

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		Application Number	10/720,417
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		First Named Inventor	Kun-Liang Guan
		Art Unit	1655 1657
		Examiner Name	Amanda Wood
Sheet 3 of 5	Attorney Docket Number	UM-08469	

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
APW	21	Aoki et al., Proc. Natl Acad. Sci. USA 98, 136-141 (2001)	
APW	22	Burgering et al., Nature 376 pg. 599-609 (1995)	
APW	23	Scott et al., Proc. Natl Acad. Sci. USA 95, 7772-7777 (1998)	
APW	24	Sekulic, A. et al. Cancer Res. 60, 3504-3513 (2000)	
APW	25	Kwiatkowski et al. Hum. Mol. Genet. 11, 525-534	
APW	26	Tuttle, et al. Nature Med. 7, 1133-1137 (2001)	
APW	27	Reynolds et al., J. Biol. Chem. 277, 17657-17662 (2002)	
APW	28	Nave et al., Biochem J. 344, 427-431 (1999)	
APW	29	Peterson et al., Proc. Natl Acad. Sci. USA 96, 4438-4442 (1999)	
APW	30	Brown et al., Nature 377:441-446 (1995)	

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		Art Unit	4655 1657
		Examiner Name	Amanda Wood
Sheet 4	of 5	Attorney Docket Number	UM-08469

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APW	31	Hara et al., J. Biol. Chem. 273:14484-94 (1998)	
APW	32	Goncharova et al., J. Biol. Chem. 277:30958-30967 (2002)	
APW	33	Kenerson et al., Cancer Res. 62:5645-5650 (20002)	
APW	34	Browne and Proud, Eur. J. Biochem. 269:5360-5368 (2002)	
APW	35	Proud, Eur. J. Biochem. 269:5338-5349 (2002)	
APW	36	Hardie et al., Ann. Rev. Biochem. 67:821-855 (1998)	
APW	37	Kimura et al., Genes Cells 8:65-79 (2003)	
APW	38	Krause et al., Eur. J. Biochem. 269:3751-3759 (2002)	
APW	39	Shioi et al., Circulation 107:1664-1670 (2003)	
APW	40	Potter and Xu, Curr. Opin. Genet. Dev. 11:279-286 (2001)	

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		Application Number	10/720,417
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		Art Unit	1635 1657
		Examiner Name	Amanda Wood
Sheet 5	of 5	Attorney Docket Number	UM-08469

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APW	41	Dennis et al. Science 294, 1102-1105 (2001)	
APW	42	Weng et al., Mol. Cell. Biol. 15, 2333-2340 (1995)	
APW	43	Schalm et al., Curr. Biol. 12, 632-639 (2002)	
APW	44	Fingar et al., Genes Dev. 16:1472-1487 (2002)	
APW	45	Inoki et al., Nat. Cell Bio. 4:648-657 (2002)	
APW	46	Miloloza et al., J Neuropathol Exp. Neurol 2002 Feb 61(2):154-63	

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